CS 341 - Web Technologies

Lab Assignment 3

Due: 10th October 2025

This assignment is designed for you to practice your HTML and CSS knowledge.

Ashesi Honor Code applies!

Instructions

Your task is to create the Login, Register, and Dashboard screens for Students and

administrators (Faculty and Faculty Interns) for the attendance management system.

This is the first step in building the web application where users can register,

log in, manage attendance and classes.

In this exercise, you are not allowed to use any framework, plugin, or library. You are to

write the entire codebase from scratch.

Simple Attendance Management Platform

Detailed Instructions:

1. Create HTML file(s) for the Login,Sign Up and Dashboard screens.

2. Use appropriate HTML5 tags and attributes to structure your content

3. Implement form elements for both Login and Sign Up functionalities.

4. Style your HTML using CSS to create a user-friendly interface

5. Focus on making your design responsive and accessible

Requirements:

1. HTML Structure:

   - Use semantic HTML5 tags where appropriate.

   - Create separate forms for Login and Sign Up.

   - Include all necessary input fields (username, email, password, etc.).

   - Include sumn for the dashboard pages.

   - Use appropriate input types and attributes (e.g., required, type="email").

2. CSS Styling:

   - Create a clean, visually appealing design.

   - Ensure your layout is responsive

   - Use CSS to style form elements, buttons, and overall layout.

3. User Experience:

   - Implement clear labels for all form fields.

   - Include placeholders or hints where helpful.

   - Ensure a way to switch between Login and Sign Up views.

4. No Backend Functionality:

   - At this stage, focus only on the front end (HTML/CSS).

   - Do not implement any JavaScript or backend logic yet.

Faculty Intern (FI) Dashboard Requirements

- Login and Registration for Faculty Interns.

- Sections:

    o **Course List**

    o **Sessions**

    o **Reports**

- Navigation bar linking all sections.

- Option to view or manage students who join as **auditors** or **observers**.

- Load and display data from JSON or API using Python.

- Should be able to demonstrate dashboard locally.

2. Faculty Dashboard Requirements

- Login and Registration for Faculty.

- Sections:

    o **Course Management** (create, edit, delete courses)

    o **Session Overview**

- o **Attendance Reports**

- Navigation bar linking all sections.

- Access to student performance and participation data.

- Dashboard should integrate with the attendance management system.

3. Student Dashboard Requirements

- Login and Registration for Students.

- Sections:

  - o **My Courses**

  - o **Session Schedule**

  - o **Grades/Reports**

- Navigation bar linking all sections.

- Option to join courses as **auditor** or **observer**.

- View feedback or reports from Faculty Interns and Faculty.

NOTE: Include additional pages if necessary

- Create A Github repository named LabProject_<YourFullName>

- Clone the Repository on to your computer using VSCode or the command `git clone <repository url>`

- Work in this folder and push the final work onto github using VSCode or the terminnal command

- Submit a zip file containing the HTML and CSS files & the url to the repository.

- Ensure your file is named appropriately (e.g., login.html).

Academic Integrity Notice: Use of AI Tools

- Students must not use artificial intelligence (AI) tools or code generators to produce any part of the codebase submitted for this project.

- All submitted work must be **your own original code**, written and understood by you. Code found to be AI-generated, copied, or written with unauthorized assistance will be treated as a **violation of academic integrity policies** and will result in disciplinary action, including possible failure of the assignment or course.

- You are, however, encouraged to use documentation, textbooks, lecture materials, and official library references for learning and reference purposes only - not for direct code generation.

By submitting your work, you affirm that:

"I have written all the code in this submission myself without using AI or any automated code-generation tools."

Remember, this is the first part of an incremental project. In future submissions, you'll be adding functionality, connecting to a backend, and expanding the features of the attendance management platform.

Good luck, and feel free to ask questions if you need clarification on any part of the assignment